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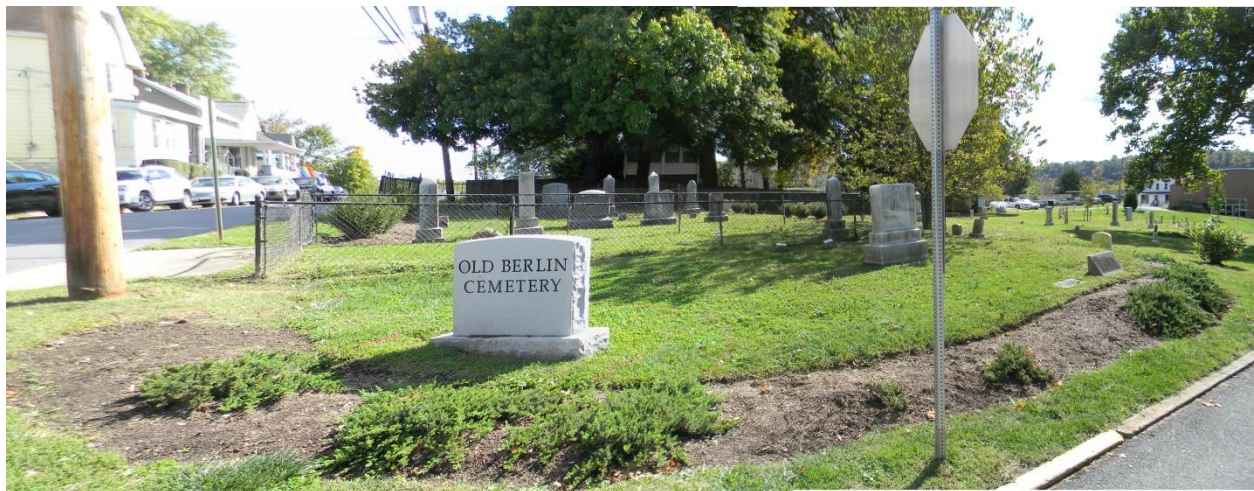
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Conservation Treatment Report

Old Berlin Cemetery (aka. Old Lutheran Cemetery) Brunswick, MD

2018-2020

West B St and Delaware Ave, Brunswick, MD 21716



Prepared for City of Brunswick, 1 W. Potomac Street, Brunswick, MD 21716

Introduction

In 2015, the City of Brunswick, MD contracted with Wellman Conservation LLC to prepare an assessment and treatment proposal for the Old Berlin Cemetery, also known as the Old Lutheran Cemetery.

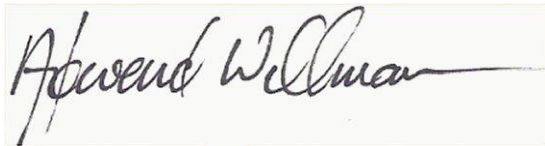
This cemetery is located in the center of historic Brunswick at the intersection of B and Delaware Streets.

The treatment plan focused on the following:

- 1) Re-standing leaning or fallen gravestones that were deemed to be in their original locations.
- 2) Re-locating fallen and dislocated gravestones to their likely original locations based on historical research and matching with base elements still in situ.
- 3) Creating a "memorial plot" where "orphaned" stones could be set up as a memorial to the unknown burials throughout the cemetery.

The work proceeded in three phases from 2018 to 2020. The work was summarized in a report each year. This final report consolidates the three treatment reports into one document.

Respectfully submitted

A handwritten signature in dark ink, reading "Howard Wellman", with a long horizontal flourish extending to the right.

Howard Wellman

October 16, 2020



View of the cemetery from the north-west, 2015.



Similar view, 2020.



Panoramic view from the west, 2020.



Panoramic view from the south, 2020.



Panoramic view from the east, 2020.

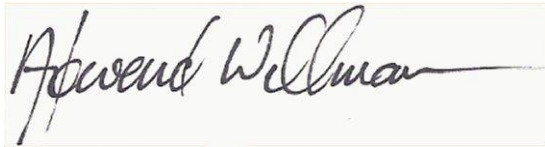
Conservation Treatment Report Phase 1, 2018 Old Berlin Cemetery

The following gravestones were conserved as of October 2018.

Treatment details:

- Gravestones with no or poor foundations were leveled by digging the setting holes deep enough for the base blocks to be set at or near grade and pouring a 4-6" pad of concrete, laying the base block on that pad, then infilling the removed soil.
- Tablets that fit into slotted bases were reset into those bases with a soft lime-based mortar.
- Any failed pins were replaced with stainless steel threaded rod.
- Un-pinned blocks or obelisks on blocks were given a mortar bedding of either thin-set mortar or soft lime-based mortar depending on circumstances.
- Gravestones were cleaned with non-ionic detergent and water with a soft natural bristle brush, and then sprayed with D/2 Biological Solution (anti-microbial).

Respectfully submitted

A handwritten signature in black ink, reading "Howard Wellman", with a long horizontal flourish extending to the right.

Howard Wellman

October 18, 2018

These gravestones were completed by July 2018. Where possible, fallen gravestones were reassembled and repaired where they were found, or were assembled on bases with matching names elsewhere in the cemetery. A few fallen stones were assembled on convenient bases adjacent to where they were found.

Number	Name / Date	Material	Style	Principal	Comments	Treatment	Location Status
2	Beall, Eleanor. Jan 5. 1892	Marble	Die on dbl base	Loose on pins, pin cracking, fallen "cushion" cap		disassemble w/ gantry; releve w/ fill; reassemble w/ new pins; inject cracks as needed	Reassembled where found, probably original location.
35	Forrest, Henry E. and Charles E.	Marble	Obelisk on dbl base	Obl disassociate from base, foundation failure	Base in situ at distance	disassemble w/ gantry; releve TBD; locate missing column if possible; reassemble as original	Reassembled on original base where found, probably original location.
42	Ridenbaugh, George W. Apr 1897	Marble	Obelisk on dbl base	Rotated on base		disassemble by hand; level TBD; reassemble w/ new pins if necessary	Reset as found, probably original location.
52	Ridgeway, Clara	marble	die on base	loose, no foundation		level w/ fill	Reset as found, probably not original location.
77	R, (J. H. R.)	Marble	Foot stone	Fallen	Orphan possibly associated with John H Rench	reset near main monument	Reassembled where found, probably original location.
77	Rench, John H. Dec 6 1877	Marble	Die	Fallen	see also footstone JHR	replace pins, reset on existing base. Locate footstone	Reassembled where found, probably original location.
85	Cooper, Elizabeth Apr 29 1894	Marble	Die	Out of location		examine and reassemble on location TBD	Reset on available base, probably not original location. Reassembled on original base
132	Forrest, Claude July 21 1908	Marble	Obelisk on dbl base	Fallen foundation failure		disassemble w/ gantry; releve w/ fill; reassemble as original	where found, probably original location.
135	Ray, Harvey J., October 9 1905	Marble	Obelisk on dbl base	Fallen	Poss assoc finial	Disassemble; level w/ fill; reassemble as original	Reset on original base where found, probably original location.
140	House, Arthur August 30 1901	Marble	Die on dbl base	Loose rocking		level w/ fill; reassemble w/ new pin	Reset where found, probably original location.
141	H, (C. W. C. H.)	Marble	Foot stone	Fallen	Orphan poss assoc w Haller obelisk (C. W. Haller?)	reset near main monument	Reassembled where found, probably NOT original location.
141	H, (J. E. H.)	Marble	Foot stone	Fallen	Orphan - poss assoc w Haller obelisk	reset near main monument	Reassembled where found, probably NOT original location.
141	H, (L. J. H.)	Marble	Foot stone	Fallen	Orphan	reset near main monument	Reassembled where found, probably NOT original location.

141	Haller, Arlington G. July 10 1910 & Haller, Joseph E. Mar 10 1896 & Haller, C.W. Dec 31 1884	Marble	Obelisk on dbl base	Fallen	see also footstones CWCH, JEH	disassemble by gantry; level TBD; reassemble as original disassemble by hand; remove pins; level w/ fill, reassemble w/ new pins, repair w/ Jahn	Reassembled where found, probably NOT original location. Reassembled where found, probably original location.
169	?, Raymond	Marble	Die on dbl base	Broken, complete collapse, missing pieces			
172	B, (E. B. B.)	Marble	Foot stone	Fallen	Orphan poss associated with Elizabeth Barger?	reset near main monument	Reassembled where found, probably original location.
172	Barger, Elizabeth October 21 1902	Marble	Obelisk on dbl base	Bad lean and foundation	possible association with footstone EBB?	disassemble by gantry; level TBD; reassemble as original disassemble by hand; level base w/ fill; reassemble as original	Reassembled where found, probably original location. Reassembled where found, probably original location.
176	text obscured	marble	die on base	bad lean			

The following were completed by October 2018. As above, a few fallen gravestones were reassembled on their original bases based on names carved on the bases. Some were reset where found. Other gravestones taken from the line of "orphaned" gravestones were matched with abandoned bases found in the graveyard based on dimensions and pin alignments.

56	Ray, Margaret A.R. Oct 29 1871 & Ray, Eliza Jan 31 1851 & Ray, William W. May 8 1878 & Ray, William J. Apr 1 1885	Marble	Obelisk	Fallen	Orphan, assoc w family plot and disassociate base stones?	disassemble and level base. Reassemble with no pins.	Reassembled on original base where found, probably original location. Reassembled on original base where found, probably original location. Reassembled on original base where found, probably original location.
60	E, (S. E.)	Marble	Foot stone	Fallen	Orphan poss assoc w Elliot obelisk	reset near main monument	Reassembled on original base where found, probably original location. Reassembled on original base where found, probably original location.
60	Elliott, Susanna and William Feb 28 1888	Marble	Obelisk on trpl base	Obl dislocated from base, foundation failure	Base in situ at distance, see also possible footstone SE	disassemble and level base. Reassemble with no pins.	Reassembled on original base where found, probably original location.
71	Catlett?, Delphia. Feb 9? 1892	Marble	four base parts and Obelisk	Fallen	Orphan	examine obelisk and catlett base for match. Other base parts may be separate monument. Disassemble, level bases, reassemble	Reassembled where found, probably NOT original location.
89	Shilling, Catherine Mar 26 1885	Marble	Die on base	All pieces loose rocking on pins	Poss mislocation on wrong foundation	disassemble, replace pins. Relocate to Thomas Shilling?	Moved to location beside Frank Shilling. Reassembled on convenient base, probably NOT original location. Reassembled on original base where found, probably original location.
	"Little Infants"	Marble	Die on base	Orphaned die, matched to base		Reassembled	Reassembled on original base where found, probably original location.
157 & 117	Kidwell, Cecelia A. Feb 14, 1899	Marble	Die on base	Orphaned die, matched to base		Reassemble	Reassembled on convenient base probably NOT original location.
104 & 84	Ridenour, Charles. Sep 4 1863	Marble	tablet	Orphaned, matched to base	broken	Reassembled, pinned and filled.	Reassembled on convenient base, probably NOT original location.
97 & 142 & UID Base	Rhoades, Ann?. Nov 14, 1874	Marble	tablet	Orphaned, matched to base		Reassembled	Reassembled on convenient base, probably NOT original location.

81 & 148 & 12	Lorena Sanger	Marble	Die on base	Orphaned die, matched to base	Reassembled	Reassembled on convenient base, probably NOT original location.
77 & 92	Musgrove, 2 unnamed infants. Aug 1877	Marble	Die on base	Orphaned die, matched to base	Reassembled	Reassembled on convenient base, probably NOT original location.
133 & 145	Ridenbaugh, Samuel J. July 3, 1912	Marble	Die on base	Orphaned die, matched to base	Reassembled	Reassembled on matching base, probably original location.

Work to be done:

Three gravestones are probably located close to their original locations in the south east corner. More investigation (probing, excavation) is required to properly reset these stones:

#118, Sicafooce, Helen. March 17 1871
 #91, Watkins, James W. Oct 19 1880
 #86, Watkins, John W. Jan 24, 1932

An additional dozen "orphaned" stones were recovered and stacked along the fencing in the northeast corner of the cemetery. These will require a decision from the Client as to their final location. Installation would require simple assembly on new concrete foundations in a location to be determined.

Illustrations



No 2, before and after treatment.



No. 35 before and after treatment



No. 42 before and after treatment



No. 52 before and after treatment



No. 56 before and after treatment



No. 60 before and after treatment



No. 71 before and after treatment



No. 77 before and after treatment



No. 81 after treatment



No. 84 after treatment



No. 85 before and after treatment



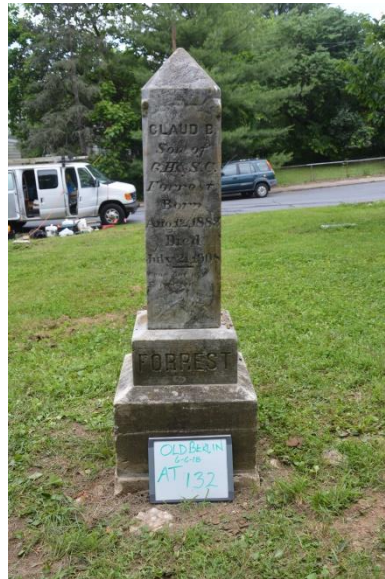
No. 92 after treatment



No. 97 after treatment



No. 132 before and after treatment





No. 133 after treatment



No. 135 before and after treatment



No, 140 before and after treatment



No. 141 before and after treatment



No. 172 before treatment



No 176 before and after treatment



Unnumbered after treatment

Conservation Treatment Report Phase 2 2019 Old Berlin Cemetery

The following gravestones were conserved as of October 2019. Note that all standing gravestones in the cemetery were treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.

For purposes of historical documentation, we summarize the location and installation of all the gravestones treated since 2015 thus:

Erected where found, location probably original:

John W. Watkins, James W. Watkins, Hellen Sicafooce, John Rench, Eleanor B. Beale, Forrest family obelisks, Arthur C House, Elliot family obelisk, Ray family obelisk, Hezekiah Kidwell (?).

Erected where found, location probably NOT original:

Viola Noland, Haller obelisk, Catlett obelisk, Clara Ridgeway

"Orphaned" headstone erected on an in situ base matching in materials and dimensions:

S.J. Ridenbaugh, Lurena Anger, Elbert R Musgrove, "Two little infants" Musgrove, Cecilia Kidwell, Charles Ridenour, Raymond (no last name).

"Orphaned" headstone erected on an in situ base matching in materials and dimensions, with documentary evidence.

John and Julia Leopold, John Shilling, William Darr.

Respectfully submitted

A handwritten signature in dark ink, reading "Howard Wellman", with a long horizontal flourish extending to the right.

Howard Wellman

October 18, 2019

James Watkins

The gravestone, broken in two pieces, was reassembled onto its original base discovered in situ.

- The broken base was reset into its as-found location on a bed of concrete. The broken base pieces were reassembled with stainless steel pins using Fastenal A7 two-part epoxy. The cracks were filled with Jahn M30 grout and M120 masonry repair mortar.
- The broken gravestone pieces were set into the base with NHL 3.5 lime mortar with stainless steel pins and Jahn M120 masonry repair mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



During treatment



After treatment

James W. Watkins

The gravestone, broken in three pieces, was reassembled onto its original base discovered in situ.

- The base was reset into its as-found location on a bed of concrete.
- The middle gravestone piece was reassembled onto the stub still in situ in the base with stainless steel pins using Fastenal A7 two-part epoxy. The cracks were filled with Jahn M120 masonry repair mortar.
- The upper gravestone piece was set into the middle section with stainless steel pins with NHL 3.5 lime mortar and Jahn M120 masonry repair mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



During treatment

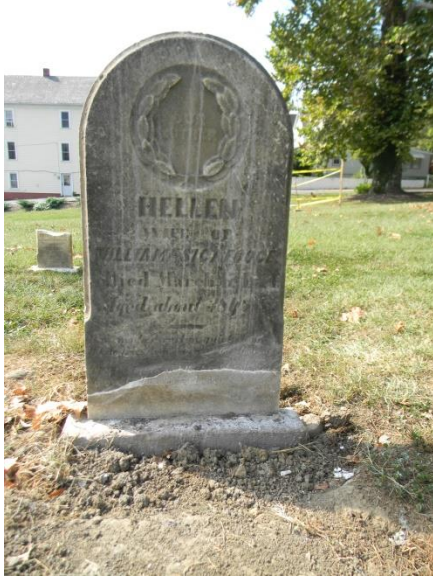


After treatment

Hellen Sicafooce

The gravestone, broken in two pieces, was reassembled onto its original base discovered in situ.

- The base was reset into its as-found location on a bed of concrete.
- The gravestone was reassembled in situ in the base with NHL 3.5 lime mortar.
- The upper gravestone piece was set into the bottom section with stainless steel pins and Jahn M120 masonry repair mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



After treatment.

John Shilling

The broken gravestone was removed from the "orphan" stone list and assembled on a base discovered in situ in the graveyard by volunteers. We feel confident that this is an appropriate location based on the dimensional and material match between the gravestone and base, as well as documentary evidence suggesting that this is a valid approximate location for this gravestone.

- The base was reset into its as-found location on a bed of concrete.
- The gravestone was reassembled in situ on the base with NHL 3.5 lime mortar.
- The upper gravestone piece was set into the bottom section with stainless steel pins and Jahn M120 masonry repair mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



During treatment.



After treatment.

William C Darr

The damaged gravestone was removed from the "orphan" stone list and assembled on a base discovered in situ in the graveyard by volunteers. We feel confident that this is an appropriate location based on the dimensional and material match between the gravestone and base, as well as documentary evidence suggesting that this is a valid approximate location for this gravestone.

- The base was reset into its as-found location on a bed of concrete.
- The gravestone was reassembled in situ on the base with NHL 3.5 lime mortar. A stainless steel pin was set into the damaged section of gravestone with Fastenal A7 two-part epoxy.
- The missing part of the gravestone was filled with tinted Jahn M120 masonry patching mortar.
- A matching footstone "WCD" was put in the ground immediately in front of the headstone.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



Before treatment



After treatment

John F Leopold

The gravestone was removed from the "orphan" stone list and assembled on a base discovered in situ in the graveyard by volunteers. We feel confident that this is an appropriate location based on the dimensional and material match between the gravestone and base, as well as documentary evidence suggesting that this is a valid approximate location for this gravestone.

- The base was reset into its as-found location on a bed of concrete.
- The gravestone was reassembled in situ on the base with NHL 3.5 lime mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



After treatment

Jane A Leopold

The gravestone was removed from the "orphan" stone list and assembled on a base discovered in situ in the graveyard by volunteers. We feel confident that this is an appropriate location based on the dimensional and material match between the gravestone and base, as well as documentary evidence suggesting that this is a valid approximate location for this gravestone.

- The base was reset into its as-found location on a bed of concrete.
- The gravestone was reassembled in situ on the base with NHL 3.5 lime mortar.
- A matching footstone "JAL" was put in the ground immediately in front of the headstone.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



After treatment

Hezakiah Kidwell (?)

The upper part of this highly eroded and broken gravestone was discovered by volunteers investigating a pile of broken fragments adjacent to the headstone of Cecilia (wife of Hezakiah Kidwell), and the stub of a headstone in situ in a base nearby. The fragment fit to the stub neatly and the attribution of the name is based on its location beside Cecilia Kidwell and the footstone initialed "H.K." found in situ under the pile of fragments.

- The base was reset into its as-found location on a bed of concrete.
- The upper gravestone piece was set into the bottom section with stainless steel pins and Jahn M120 masonry repair mortar.
- The gravestone was treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.



Before treatment.



After treatment.

Conservation Treatment Report Phase 3, 2020 Old Berlin Cemetery

Introduction:

The following gravestones were conserved as of October 2020. Note that all standing gravestones in the cemetery were treated with two applications of dilute D/2 Biological Solution biocide to reduce biological growth and staining.

This last section of the treatment plan involved placing "orphaned" gravestones with no known location in front of the newly placed memorial stone at the south end of the graveyard.

Treatment:

- Twenty-nine gravestones were identified for installation in the "memorial plot", chosen for having visible inscriptions or details.
- A number of smaller fragments and base blocks were moved to the space under the trees at the north end for storage.
- Four sections were arranged of six to eight stones per section.
- Sod was removed by the City DPW, and foundation holes were dug by hand.
- 2x4 concrete forms were used to create either flat-topped bases for die gravestones, or slotted bases for tablet gravestones.
- The die gravestones were set with stainless steel threaded rod pins where appropriate on soft NHL 3.5 mortar bedding.
- The tablet gravestones were shimmed level and set in the slots with soft NHL 3.5 mortar.
- Broken gravestones were assembled with stainless steel threaded rod pins soft NHL 3.5 mortar bedding. Some of the rods were "tacked" into the stone with Akemi epoxy resin only as necessary before the cracks were filled with mortar.
- Losses on the repaired gravestones were filled with Jahn Restoration Mortars and carved as needed to merge with the fragments.

Respectfully submitted

A handwritten signature in dark ink, reading "Howard Wellman", with a long horizontal flourish extending to the right.

Howard Wellman

October 16, 2020

Illustrations



Concrete forms.



Shimming and setting detail. Note that the shims were removed before the final pointing.



Orphan plot from the west.



Orphan plot from the east.



Detail of orphan plot from the east.



Detail of orphan plot from the east.